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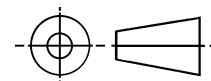
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THIRD ANGLE PROJECTION



ISSUED 1998-08 REAFFIRMED 2004-11

PREPARED BY SUBCOMMITTEE AE-8C1

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,
NONENVIRONMENTAL, 90°, SHIELD TERMINATION, CATEGORY 3A
(FOR MIL-C-5015 CRIMP, MIL-C-26482 SERIES 2, MIL-C-81703 SERIES 3, AND
MIL-C-83723 SERIES III CONNECTORS)

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SHEET 1 OF 13

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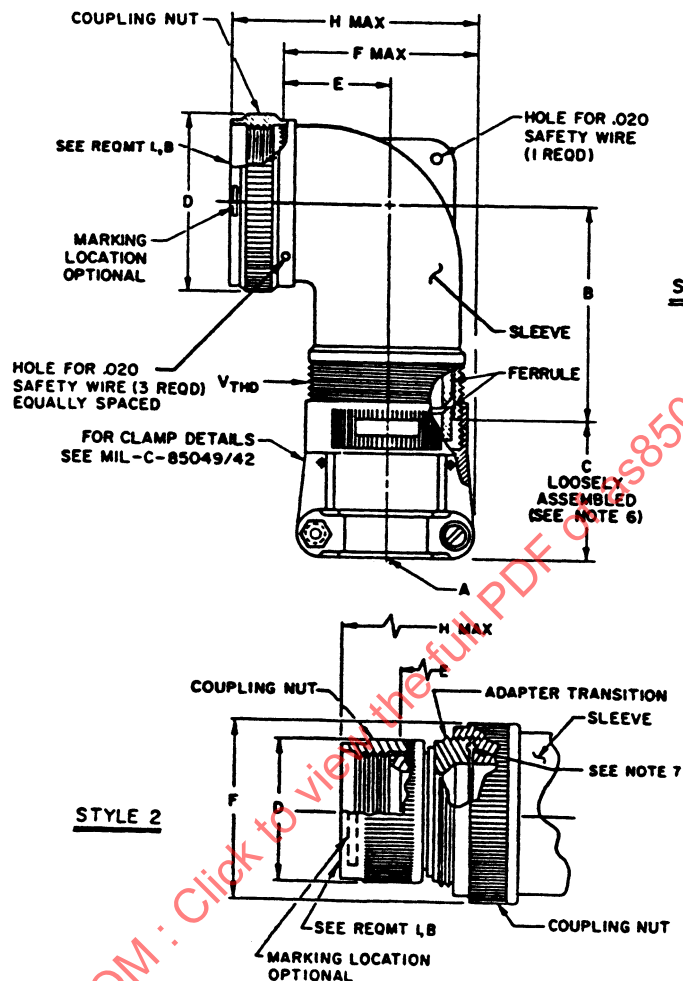
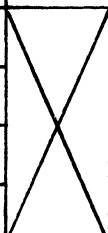


TABLE I. DIMENSIONS.

Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6)		Style	B +.125	C Ref	D Dia Max
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III		Wire Bundle Accommodation Range					
						Min	Max				
1	3				4	.125	.250	1	1.800	1.027	.669
2					6	.250	.437	2	1.320	1.027	.669
3		8	8S	8	4	.125	.250	1	1.200	1.027	.617
4		10	10S, 10SL	10	4	.125	.312	1	1.920	1.027	.734
5					6	.250	.375	1	1.320	1.027	.734
6	7	12	12,12S	12	4	.125	.312	1	1.940	1.027	.858
7					6	.250	.437	1	1.940	1.027	.858
8					10	.350	.500	1	1.335	1.027	.858
9	12	14	14,14S	14	6	.250	.437	1	2.010	1.027	.984
10					10	.350	.575	1	1.655	1.027	.984

Dash No.	E +.125	V Thread Class 2A	F Max	G Dia Max	H Max
1	.636	.625-24 UNEF	1.18	-	1.57
2	1.386	.750-20 UNEF	2.02	.858	2.41
3	.541	.625-24 UNEF	1.09	-	1.48
4	.636	.625-24 UNEF	1.18	-	1.57
5	.636	.750-20 UNEF	1.27	-	1.66
6	.641	.625-24 UNEF	1.18	-	1.57
7	.641	.750-20 UNEF	1.28	-	1.67
8	.641	1.000-20 UNEF	1.37	-	1.76
9	.741	.750-20 UNEF	1.38	-	1.77
10	.741	1.000-20 UNEF	1.47	-	1.86

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6)		Style	B +.125	C Ref	D Dia Max
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III		Wire Bundle Accommodation Range					
						Min	Max				
11	19	16	16,16S	16	6	.250	.437	1	2.100	1.027	1.112
12					12	.500	.700	1	1.745	1.059	1.112
13	27	18	18	18	10	.350	.625	1	2.270	1.027	1.218
14					16	.625	.779	1	1.920	1.156	1.218
15	37	20	20	20	10	.350	.625	1	2.270	1.027	1.345
16					16	.625	.904	1	1.920	1.156	1.345
17		22	22	22	12	.500	.750	1	2.380	1.059	1.468
18					20	.875	1.029	1	2.025	1.375	1.468
19		24	24	24	12	.500	.750	1	2.380	1.059	1.593
20					20	.875	1.144	1	2.025	1.375	1.593

Dash No.	E +.125	V Thread Class 2A	F Max	G Dia Max	H Max
11	.926	.750-20 UNEF	1.59	-	1.98
12	.926	1.1875-18 UNEF	1.77	-	2.15
13	1.016	1.000-20 UNEF	1.80	-	2.19
14	1.016	1.4375-18 UNEF	1.97	-	2.36
15	1.016	1.000-20 UNEF	1.80	-	2.19
16	1.016	1.4375-18 UNEF	1.97	-	2.36
17	1.166	1.1875-18 UNEF	2.11	-	2.50
18	1.166	1.750-10 UNS	2.29	-	2.68
19	1.166	1.1875-18 UNEF	2.11	-	2.50
20	1.166	1.750-18 UNS	2.29	-	2.68

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6) Wire Bundle Accommodation Range		Style	B +.125	C Ref	D Dia Max
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III		Min	Max				
21			28		16	.625	.937	1	2.550	1.156	1.969
22					24	1.000	1.375	1	2.195	1.500	1.969
23			32		16	.625	.937	1	2.800	1.156	2.219
24					20	.875	1.250	1	2.800	1.375	2.219
25					28	1.250	1.625	1	2.445	1.781	2.219
26			36		16	.625	.937	1	2.770	1.156	2.469
27					24	1.000	1.375	1	2.770	1.500	2.469
28					32	1.437	1.840	1	2.415	1.830	2.469
29			40		16	.625	.937	1	2.770	1.156	2.719
30					24	1.000	1.375	1	2.770	1.500	2.719

Dash No.	E +.125	V Thread Class 2A	F Max	G Dia Max	H Max
21	1.266	1.4375-18 UNEF	2.33	-	2.88
22	1.266	2.000-18 UNS	2.51	-	3.06
23	1.616	1.4375-18 UNEF	2.81	-	3.36
24	1.616	1.750-18 UNS	2.81	-	3.36
25	1.616	2.250-16 UN	3.07	-	3.62
26	1.816	1.4375-18 UNEF	3.13	-	3.68
27	1.816	2.000-18 UNS	3.13	-	3.68
28	1.816	2.500-18 UN	3.39	-	3.94
29	2.566	1.4375-18 UNEF	3.88	-	4.43
30	2.566	2.000-18 UNS	3.88	-	4.43

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6) Wire Bundle Accommodation Range		Style	B +.125	C Ref	D Dia Max
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III		Min	Max				
31			40		32	1.437	1.875	1	2.415	1.830	2.719
32			16		.625	.937	1	2.770	1.156	2.969	
33			44		24	1.000	1.375	1	2.770	1.500	2.969
34					32	1.437	1.875	1	2.415	1.830	2.969
35					16	.625	.937	1	2.770	1.156	3.219
36			48		24	1.000	1.375	1	2.770	1.500	3.219
37					32	1.437	1.875	1	2.415	1.830	3.219
38	61				12	.500	.750	1	2.380	1.059	1.653
39					20	.875	1.184	1	2.025	1.375	1.653
40	19	16	16,16S	16	10	.350	.625	1	2.100	1.027	1.112

Dash No.	E +.125	V Thread Class 2A	F Max	G Dia Max	H Max
31	2.566	2.500-16 UN	4.14	-	4.69
32	2.566	1.437-18 UNEF	3.88	-	4.43
33	2.566	2.000-18 UNS	3.88	-	4.43
34	2.566	2.500-16 UN	4.14	-	4.69
35	2.566	1.4375-18 UNEF	3.88	-	4.43
36	2.566	2.000-18 UNS	3.88	-	4.43
37	2.566	2.500-16 UN	4.14	-	4.69
38	1.166	1.1875-18 UNEF	2.11	-	2.50
39	1.166	1.750-18 UNS	2.29	-	2.68
40	.926	1.000-20 UNEF	1.66	-	2.05

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6) Wire Bundle Accommodation Range		Style	B +.125	C Ref	D Dia Max
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III		Min	Max				
41	27	18	18	18	4	.125	.312	1	2.270	1.027	1.218
42					6	.250	.437	1	2.270	1.027	1.218
43	37	20	20	20	6	.250	.437	1	2.270	1.027	1.345
44		22	22	22	4	.125	.312	1	2.380	1.027	1.468
45					6	.250	.437	1	2.380	1.027	1.468
46		24	24	24	10	.350	.625	1	2.380	1.027	1.593
47			36		12	.500	.750	1	2.770	1.059	2.469
48			40		12	.500	.750	1	2.770	1.059	2.719
49			10	10S, 10SL	10	6	.250	.437	2	1.940	1.027
50	12	14	14,14S	14	12	.500	.750	2	2.270	1.059	.984

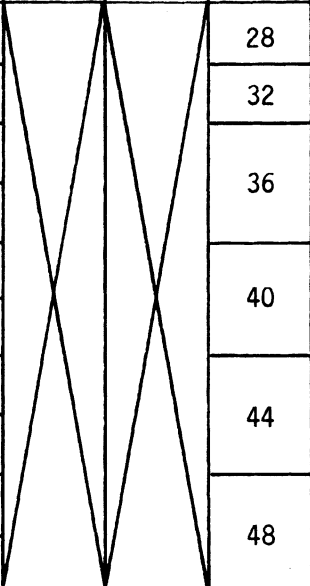
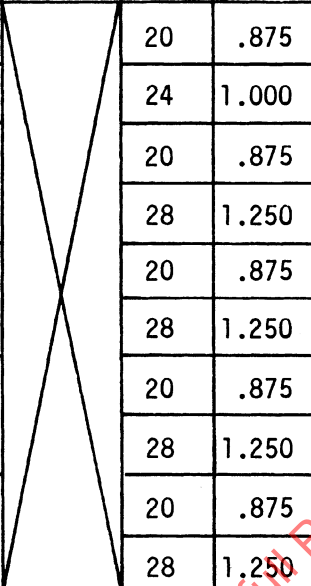
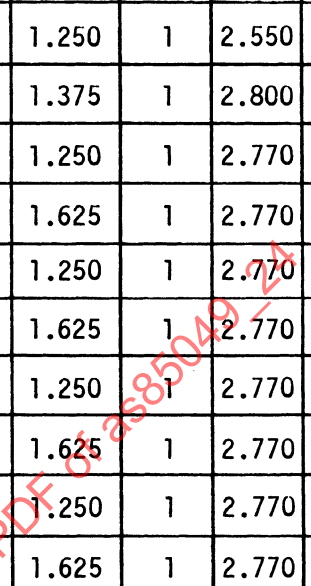
Dash No.	E $\pm .125$	V Thread Class 2A	F Max	G Dia Max	H Max
41	1.016	.625-24 UNEF	1.80	-	2.19
42	1.016	.750-20 UNEF	1.80	-	2.19
43	1.016	.750-20 UNEF	1.80	-	2.19
44	1.166	.625-24 UNEF	2.11	-	2.50
45	1.166	.750-20 UNEF	2.11	-	2.50
46	1.166	1.000-20 UNEF	2.11	-	2.50
47	1.816	1.1875-18 UNEF	3.13	-	3.68
48	1.816	1.1875-18 UNEF	3.88	-	4.43
49	1.381	.750-20 UNEF	2.03	.858	2.42
50	1.766	1.1875-18 UNEF	2.61	1.218	3.00

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6)		Style	B +.125	C Ref	D Dia Max
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III		Wire Bundle Accommodation Range					
						Min	Max				
51	19	16	16,16S	16	16	.625	.937	2	2.380	1.156	1.112
52	27	18	18	18	12	.500	.750	1	2.270	1.059	1.218
53	61				16	.625	.937	1	2.025	1.156	1.863
54	37	20	20	20	12	.500	.750	1	2.270	1.059	1.345
55					20	.875	1.250	2	2.550	1.375	1.345
56		22	22	22	10	.350	.625	1	2.380	1.027	1.468
57					16	.625	.937	1	2.380	1.156	1.468
58					20	.875	1.250	2	2.550	1.375	1.468
59		24	24	24	16	.625	.937	1	2.380	1.156	1.593
60				28		12	.500	.750	1	2.550	1.059

Dash No.	E +.125	V Thread Class 2A	F Max	G Dia Max	H Max
51	1.916	1.4375-18 UNEF	2.87	1.468	3.26
52	1.016	1.1875-18 UNEF	1.86	-	2.25
53	1.166	1.4375-18 UNEF	2.14	-	2.53
54	1.016	1.1875-18 UNEF	1.86	-	2.25
55	2.016	1.750-18 UNS	3.14	1.969	3.53
56	1.166	1.000-20 UNEF	2.11	-	2.50
57	1.166	1.4375-18 UNEF	2.12	-	2.51
58	2.016	1.750-18 UNS	3.14	1.969	3.53
59	1.166	1.4375-18 UNEF	2.14	--	2.53
60	1.266	1.1875-18 UNEF	2.33	--	2.88

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6)		Style	B +.125	C Ref	D Dia Max
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III		Wire Bundle Accommodation Range					
						Min	Max				
61			28		20	.875	1.250	1	2.550	1.375	1.969
62			32		24	1.000	1.375	1	2.800	1.500	2.219
63			36		20	.875	1.250	1	2.770	1.375	2.469
64					28	1.250	1.625	1	2.770	1.781	2.469
65			40		20	.875	1.250	1	2.770	1.375	2.719
66					28	1.250	1.625	1	2.770	1.781	2.719
67			44		20	.875	1.250	1	2.770	1.375	2.969
68					28	1.250	1.625	1	2.770	1.781	2.969
69			48		20	.875	1.250	1	2.770	1.375	3.219
70					28	1.250	1.625	1	2.770	1.781	3.219

Dash No.	E $\pm .125$	V Thread Class 2A	F Max	G Dia Max	H Max
61	1.266	1.750-18 UNS	2.39	-	2.94
62	1.616	2.000-18 UNS	2.86	-	3.41
63	1.816	1.750-18 UNS	3.13	-	3.68
64	1.816	2.250-16 UN	3.27	-	3.82
65	2.566	1.750-18 UNS	3.88	-	4.43
66	2.566	2.250-16 UN	4.02	-	4.57
67	2.566	1.750-18 UNS	3.88	-	4.43
68	2.566	2.250-16 UN	4.02	-	4.57
69	2.566	1.750-18 UNS	3.88	-	4.43
70	2.566	2.250-16 UN	4.02	-	4.57

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6)		Style	B +.125	C Ref	D Dia Max
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III		Wire Bundle Accommodation Range					
						Min	Max				
71	7	12	12,12S	12	10	.350	.625	2	2.100	1.027	.858
72	27	18	18	18	16	.625	.937	2	2.380	1.156	1.218
73		24	24	24	20	.875	1.250	2	2.550	1.375	1.593
74	12	14	14,14S	14	4	.125	.312	1	2.010	1.027	.984
75	19	16	16,16S	16	4	.125	.312	1	2.100	1.027	1.112

Dash No.	E +.125	V Thread Class 2A	F Max	G Dia Max	H Max
71	1.686	1.000-20 UNEF	2.42	1.112	2.81
72	1.925	1.4375-18 UNEF	2.88	1.468	3.27
73	2.026	1.750-18 UNS	3.15	1.969	3.54
74	.741	.625-24 UNEF	1.31	-	1.70
75	.926	.625-24 UNEF	1.59	-	1.98